

Draft 2007 Pacific Marine Mammal Stock Assessment Reports summary

Species	Stock Area	NMFS Center							Total Annual Mortality + Serious Injury	Annual Fishery Mortality + Serious Injury	Strategic Status	Recent Abundance Surveys			Last Revised
			N est	CV N est	N min	R max	Fr	PBR				2003	2004	2005	
California sea lion	U.S.	SWC	237,000	n/a	138,884	0.12	1	8,333	1,662	1,476	N	2003	2004	2005	2007
			238,000		141,842			8,511	≥232	≥159					
Harbor seal	California	SWC	34,233	n/a	31,600	0.12	1	1,896	≥389	389	N	1995	2002	2004	2005
Harbor seal	Oregon/Washington Coast	AKC	24,732	0.12	22,380	0.12	1	1,343	≥17	≥15	N	1999			2007
Harbor seal	Washington Inland Waters	AKC	14,612	0.15	12,844	0.12	1	771	≥34	≥30	N	1999			2003
Northern Elephant Seal	California breeding	SWC	101,000	n/a	60,547	0.083	1	2,513	≥88	≥86	N	2001	2002	2005	2007
			124,000		74,913	0.117		4,382	≥10.4	≥8.8					
Guadalupe Fur Seal	Mexico to California	SWC	7,408	n/a	3,028	0.12	0.5	91	0	0	Y	1993			2000
Northern Fur Seal	San Miguel Island	AKC	9,424	n/a	5,096	0.086	1	219	≥1.0	≥1.0	N	2003	2004	2005	2006
Monk Seal	Hawaii	PIC	1,302	n/a	1,276	0.07	0.1	undet	unk	unk	Y	2004	2005	2006	2007
			1,247		1,214										
Harbor porpoise	Morro Bay	SWC	1,656	0.39	1,206	0.04	0.4	10	4.5	4.5	N	1997	1999	2002	2004
Harbor porpoise	Monterey Bay	SWC	1,613	0.42	1,149	0.04	0.45	10	9.5	9.5	N	1997	1999	2002	2004
Harbor porpoise	San Francisco – Russian River	SWC	8,521	0.38	6,254	0.04	0.5	63	≥0.8	≥0.8	N	1997	1999	2002	2004
Harbor porpoise	Northern CA/Southern OR	SWC	17,763	0.39	12,940	0.04	1	259	≥0	≥0	N	1997	1999	2002	2003
Harbor porpoise	Oregon/Washington Coast	AKC	37,745	0.38	27,705	0.04	0.5	277	0.6	0.6	N	1991	1997	2002	2006
Harbor porpoise	Washington Inland Waters	AKC	10,682	0.38	7,841	0.04	0.4	63	15.2	15.4	N	1996	2002	2003	2006
Dall's porpoise	California/Oregon/Washington	SWC	99,517	0.33	76,915	0.04	0.48	729	7	7	N	1996	2001	2005	2007
			57,549	0.34	43,425	0.4		347	1.8	1.4					
Pacific white-sided dolphin	California/Oregon/Washington	SWC	59,274	0.5	39,822	0.04	0.48	382	≥5.4	≥5.4	N	1996	2001	2005	2007
			25,233	0.25	20,441	0.45		184	5.6	5.6					
Risso's dolphin	California/Oregon/Washington	SWC	16,066	0.28	12,748	0.04	0.45	415	3.6	3.6	N	1996	2001	2005	2007
			12,093	0.24	9,947	0.4		80	6.6	6.6					
Bottlenose dolphin	California Coastal	SWC	323	0.13	290	0.04	0.5	2.4	0.4	0.4	N	2000	2004	2005	2006
Bottlenose dolphin	California/Oregon/Washington Offshore	SWC	5,065	0.66	3,053	0.04	0.5	34	0	0	N	1996	2001	2005	2007
			3,257	0.43	2,295			23	0.2	0.2					
Striped dolphin	California/Oregon/Washington	SWC	13,934	0.63	9,165	0.04	0.5	92	0	0	N	1996	2001	2005	2007
			23,883	0.44	16,737			167							
Common dolphin, short-beaked	California/Oregon/Washington	SWC	449,846	0.25	365,617	0.04	0.5	3,656	93	93	N	1996	2001	2005	2007
			487,622	0.26	392,687			3,927	59	59					
Common dolphin, long-beaked	California/Oregon/Washington	SWC	43,360	0.72	25,463	0.04	0.48	242	44	44	N	1996	2001	2005	2007
			1,893	0.65	1,152			11	17	17	Y				
Northern right whale dolphin	California/Oregon/Washington	SWC	20,362	0.26	16,417	0.04	0.5	164	23	23	N	1996	2001	2005	2007
			15,305	0.32	11,754	0.48		113	18	18					
Killer whale	Eastern North Pacific Offshore	SWC	466	0.34	364	0.04	0.5	3.6	0	0	N	1996	2001	2005	2007
			422	0.29	331			3.3							
Killer whale	Eastern North Pacific Southern Resident	AKC	94	und	94	0.04	0.1	0.18	0.2	0	Y	2004	2005	2006	2007
			89		89										
Short-finned pilot whale	California/Oregon/Washington	SWC	304	4.02	149	0.04	0.4	4.2	1	1	N	1996	2001	2005	2007
			245	0.97	123			0.98			Y				
Baird's beaked whale	California/Oregon/Washington	SWC	228	0.54	152	0.04	0.5	1.6	0	0	N	1996	2001	2005	2007
			313	0.55	203			2.0	0.2						

unk = unknown
undet = undetermined
n/a = not applicable

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			NMFS			+ Serious Injury		+ Serious Injury			Strategic Status				
			N est	CV N est	N min	R max	Fr	PBR	Injury	Injury	Injury	Status	Recent Abundance Surveys		
			1,247	0.92	645	0.04	0.5	6.4	0	0	N	1996	2001	2005	2007
Mesoplodont beaked whales	California/Oregon/Washington	SWC	1,024	0.77	576			5.7							
Cuvier's beaked whale	California/Oregon/Washington	SWC	1,884	0.68	1,124	0.04	0.5	14	0	0	N	1996	2001	2005	2007
			2,171	0.75	1,234		0.4	10	≥0.2						
Pygmy Sperm whale	California/Oregon/Washington	SWC	247	4.06	119	0.04	0.5	4.2	0	0	N	1996	2001	2005	2007
			unk	unk	unk			undet	0.2						
Dwarf sperm whale	California/Oregon/Washington	SWC	unk	unk	unk	0.04	0.5	undet	0	0	N	1996	2001	2005	2007
Sperm whale	California/Oregon/Washington	SWC	1,233	0.41	885	0.04	0.1	4.8	4	4	Y	1996	2001	2005	2007
			2,265	0.34	1,719			3.4	0.2	0.2					
Humpback whale	Eastern North Pacific	SWC	1,394	0.22	1,158	0.08	0.1	2.3	≥1.6	≥1.2	Y	1996	2001	2005	2007
	California/Oregon/Washington		1,396	0.15	1,236			2.5	≥2.2	≥1.8					
Blue whale	Eastern North Pacific	SWC	1,744	0.28	1,384	0.04	0.1	4.4	0.2	0	Y	1996	2001	2005	2007
			1,186	0.19	1,005			1.0	0.6	0					
Fin whale	California/Oregon/Washington	SWC	3,279	0.31	2,544	0.04	0.3	45	1.4	4	Y	1996	2001	2005	2007
			3,454	0.27	2,760			16		0					
Bryde's whale	California/Oregon/Washington	SWC	42	2.00	4	0.04	0.5	undet	0	0	N	1996	2001	2005	2007
			unk	unk	unk										
Sei whale	Eastern North Pacific	SWC	56	0.64	35	0.04	0.1	0.4	0	0	Y	1996	2001	2005	2007
			43	0.61	27			0.05							
Minke whale	California/Oregon/Washington	SWC	1,015	0.73	585	0.04	0.5	5.8	0	0	N	1996	2001	2005	2007
			898	0.65	544			5.4							
Rough-toothed dolphin	Hawaii	SWC	19,904	0.52	13,184	0.04	0.5	132	unk	unk	N	2002	2004	2004	
Risso's dolphin	Hawaii	SWC	2,351	0.65	1,426	0.04	0.5	14	unk	unk	N	2002	2004	2004	
Bottlenose dolphin	Hawaii	SWC	3,263	0.60	2,046	0.04	0.5	20	≥0.2	≥0.2	N	2002	2004	2006	
Pantropical spotted dolphin	Hawaii	SWC	10,260	0.41	7,362	0.04	0.5	74	≥0.8	≥0.8	N	2002	2004	2004	
Spinner dolphin	Hawaii	SWC	2,805	0.66	1,691	0.04	0.5	17	0	0	N	2002	2004	2004	
Striped dolphin	Hawaii	SWC	10,385	0.48	7,078	0.04	0.5	71	unk	unk	N	2002	2004	2004	
Fraser's dolphin	Hawaii	SWC	16,836	1.11	7,917	0.04	0.5	79	unk	unk	N	2002	2004	2004	
Melon-headed whale	Hawaii	SWC	2,947	1.11	1,386	0.04	0.5	14	unk	unk	N	2002	2004	2004	
Pygmy killer whale	Hawaii	SWC	817	1.12	382	0.04	0.5	3.8	unk	unk	N	2002	2004	2004	
False killer whale	Hawaii	SWC	268	4.08	428	0.04	0.45	4.2	≥4.8	≥4.8	Y	2002	2004	2007	
			484	0.93	249		0.48	2.4	4.9	4.9					
False killer whale	Palmyra	SWC	1,329	0.65	806	0.04	0.48	7.7	1.9	1.9	N		2005	2007	
Killer whale	Hawaii	SWC	430	0.72	250	0.04	0.5	2.5	unk	unk	N	2002	2004	2004	
Pilot whale, short-finned	Hawaii	SWC	8,846	0.49	5,986	0.04	0.5	60	0.8	0.8	N	2002	2004	2006	
Blainville's beaked whale	Hawaii	SWC	2,138	0.77	1,204	0.04	0.4	9.6	0.8	0.8	N	2002	2004	2004	
Longman's Beaked Whale	Hawaii	SWC	766	1.05	371	0.04	0.5	3.7	unk	unk	N	2002	2004	2004	
Cuvier's beaked whale	Hawaii	SWC	12,728	0.83	6,919	0.04	0.5	69	unk	unk	N	2002	2004	2004	
Pygmy sperm whale	Hawaii	SWC	7,251	0.77	4,082	0.04	0.5	41	unk	unk	N	2002	2004	2004	
Dwarf sperm whale	Hawaii	SWC	19,172	0.66	11,555	0.04	0.5	116	unk	unk	N	2002	2004	2004	
Sperm whale	Hawaii	SWC	7,082	0.30	5,531	0.04	0.1	11	0	0	Y	2002	2004	2004	
Blue whale	Hawaii	SWC	unk	unk	unk	0.04	0.1	undet	unk	unk	Y	2002	2004	2004	
Fin whale	Hawaii	SWC	174	0.72	101	0.04	0.1	0.2	unk	unk	Y	2002	2004	2004	
Sei whale	Hawaii	SWC	77	1.06	37	0.04	0.1	0.1	unk	unk	Y	2002	2004	2004	
Minke whale	Hawaii	SWC	unk	unk	unk	0.04	0.5	undet	unk	unk	N	2002	2004	2004	
Bryde's whale	Hawaii	SWC	493	0.34	373	0.04	0.5	3.7	unk	unk	N	2002	2004	2004	

unk = unknown
 undet = undetermined
 n/a = not applicable